

Application No. 10/717,106
Amendment dated March 1, 2005

Amendments to the Claims:

Please cancel, without prejudice, claims 1-11, and 16.

Claims 1-11 (cancel)

Claim 12 (currently amended): A photoluminescent aluminate comprising SrAl₂O₄:Eu,Dy,Gd,Sc wherein the following materials and quantities are combined and reacted to form the aluminate:

SrCO₃ (1.0 mole)
Al₂O₃ (1.0 mole)
Eu₂O₃ (0.005 mole)
Dy₂O₃ (0.01 mole)
Gd₂O₃ (0.005 mole)
Sc₂O₃ (0.005 mole)
B₂O₃ (0.2 mole)

Claim 13 (currently amended): A photoluminescent aluminate as recited in claim 12, wherein said SrCO₃ and Al₂O₃ are combined and reacted to form SrAl₂O₄ + O₃.

Claim 14 (original): A photoluminescent aluminate as recited in claim 13, wherein said SrAl₂O₄ is heat treated prior to being combined with the remaining material at approximately 1300°C.

Claim 15 (original): A photoluminescent aluminate as recited in claim 13, wherein said SrAl₂O₄ is heat treated prior to being combined with the remaining material at approximately 1450°C.

Claim 16 (cancel)